

Name: _____

Date: _____ HR: _____

Topic 4.0 Maintaining sustainable environments requires knowledge, decisions, and actions.

Topic 4.1 There Are Intended and Unintended Consequences of Human Activities within Ecosystems

Human Impact on Ecosystems: Chemical Use

Describe what happened when the World Health Organization used a chemical pesticide in the early 1950s to kill off mosquitoes.

Human Impact on Ecosystems: Too Little Too Late?

Define extinct: _____

Give an example of an animal that is extinct: _____

What happens when an environment changes too quickly for organisms to adapt?

Define endangered: _____

Give an example of an animal that is endangered: _____

Define threatened: _____

Give an example of an animal that is threatened: _____

Famous Potatoes

What is so special of the potatoes grown in Pemberton, British Columbia?

Questions to answer

1. Describe three ways humans can impact or change an ecosystem.
 - a.
 - b.
 - c.
2. Identify ONE example of human impact on an ecosystem that you could help to lessen. Describe what you could do to lessen this impact.
3. Why may introducing a chemical to kill an insect population have an impact on humans?

Topic 4.2 Information from Scientific Investigations Can Assist Environmental Decision-Making

The Saving of the Peregrine Falcon

What organization monitors species at risk from extinction? _____

Who does COSEWIC consist of ? _____

What is the goal of COSEWIC? _____

Why is COSEWIC concerned about the Peregrine Falcon? _____

What is the major cause for the drop in the Peregrine Falcon population? _____

What occurred when the Peregrine Falcon's population became dangerously low?

What were the results of this? _____

Topic 4.3 There Are Limitations to Scientific and Technological Knowledge

Unfortunately, not all issues can be addressed by science and technology. Sometimes there is no answer, due to lack of evidence, or studies, about an issue.

Give and explain an example of a case that scientist cannot figure out the decrease of population.

The Walk That No Wolf Would Take

What was completed in 1995 by Parks Canada? _____

What was the purpose of this project? _____

What have scientists found out about the animals with monitoring devices?

Topic 4.4 Using Evidence from Many Sources Can Help Analyze a Local Environmental Problem

Read page 78-82 in your textbook.

What steps can you take to reduce your ecological footprint? Please give a serious detailed answer of something you could change in your lifestyle.

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